

# Patent Abstracts of Japan

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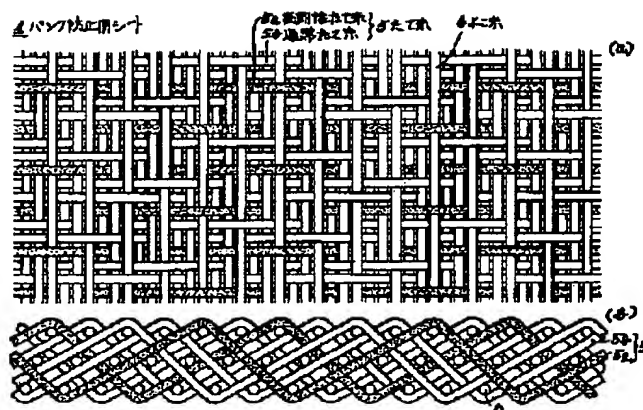
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TITLE : SHEET FOR PREVENTING PUNCTURE  
OF TIRE



ABSTRACT : PROBLEM TO BE SOLVED: To check intrusion of a sheet-like foreign matter such as a glass piece, etc., and to prevent puncture of a tire as it is damaged by making a textile crossing warp using high rigidity fiber and ordinary fiber in proper arrangement and weft specifically mixing the high rigidity fiber and the ordinary fiber.

SOLUTION: A sheet 1 for prevention of puncture is made of a belt type textile, and the textile is made by arranging weft 6 in three layers in the thickness direction and warp 5 zigzag diagonally through the whole layers of the weft 6. As the warp 5, warp 5a of high rigidity fiber such as alamide fiber, etc., and warp 5b of ordinary fiber such as ordinary polyamide fiber, etc., are used in proper arrangement. Additionally, the weft 6 is made of thread mixed with the high rigidity fiber of the alamide fiber, etc., and the ordinary fiber such as the polyamide fiber. The mixing ratio is made to be 20-85% of the high rigidity fiber and 15-80% of the ordinary fiber. Such a fiber made sheet prevents sudden puncture due to a glass piece.

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